

The present communication responds to the Office Action mailed June 19, 2002.

In the Claims

Please cancel claims 5 and 8, without prejudice.

Please amend claims 1, and 11 - 13 to read as shown below. Please also add new claims 14, 15, 16, and 17 as shown below. A version of the amended claims showing deletions and insertions is attached.

1. (Once amended) A data cable having a plurality of insulated signal transmission conductors, and an interior support, said interior support comprising:
 - a cylindrical longitudinally extending central portion;
 - a plurality of splines radially extending from said central portion along a length of said central portion, said splines having a triangular cross-section with the base of the triangle forming part of the central portion, each of said triangular splines having the same radius;
 - each spline of said plurality of splines being adjacent to two other splines of said plurality;
 - a shield having a lateral fold, said shield supported by said triangular splines, said shield and splines defining a plurality of at least four conductor compartments;
 - a signal transmission conductor from said plurality of signal transmission conductors disposed in each of said compartments.
11. (Once amended) A data cable having a plurality of twisted pair conductors and an

interior support comprising:

a longitudinally extending central portion forming a portion of said support;

a plurality of projections extending from said central portion;

each projection of said plurality of projections being adjacent to two other projections of said plurality of projections, said plurality of projections forming a plurality of adjacent projections;

a different open area defined by each of said plurality of adjacent projections;

only one twisted pair conductor from said plurality of twisted pair

conductors disposed in each different open area defined by each of said plurality of adjacent projections, wherein at least one of said projections are free of any protuberances substantially restricting an opening into any of said open areas;

each twisted pair conductor having a first insulated electrical conductor and a second insulated electrical conductor, said first and second insulated conductors twisted about each other to form a twisted pair.

12. (Once amended) The cable of claim 11 wherein said open area is an open area selected from a group consisting of a channel, a groove, a duct, and a passage.

13. (Once amended) The cable of claim 11 wherein each of said projections is a projection selected from a group consisting of a prong, a spline, and an arm.

14. A data cable having a plurality of twisted pair conductors and an interior support comprising:

a longitudinally extending central portion forming a portion of said support;

a plurality of projections extending from said central portion;

each projection of said plurality of projections being adjacent to two other projections of said plurality of projections, said plurality of projections forming a plurality of adjacent projections;

a different open area defined by each of said plurality of adjacent projections;

only one twisted pair conductor from said plurality of twisted pair

conductors disposed in each different open area defined by each of said plurality of adjacent projections, wherein each open area has a volume equal to or greater than a volume of at least one projection adjacent to each open area;

each twisted pair conductor having a first insulated electrical conductor and a second insulated electrical conductor, said first and second insulated conductors twisted about each other to form a twisted pair.

15. The cable of claim 1 wherein the interior support has a helical twist.
16. The cable of claim 14 wherein each of said projections is a projection selected from a group consisting of a prong, a spline, and an arm.
17. The cable of claim 14 wherein said open area is an open area selected from a group consisting of a channel, a groove, a duct, and a passage.

Remarks

In the present communication, Applicant has amended original claims 1, 11-13 and added new claims 14-17. Applicant has cancelled claims 5 and 8. Including the amendments made herein, claims 1, and 11 - 17 are pending.